

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Stefan ANDERSSON ) Group Art Unit: UNASSIGNED  
Application No.: UNASSIGNED ) Examiner: UNASSIGNED  
Filed: August 14, 2001 )  
For: NETWORK AUTHENTICATION )

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

**IN THE CLAIMS:**

Please replace claims 3-5, 12-19 and 27 as follows:

3. (Amended) A method of authenticating communications as claimed in claim 1, wherein the use of the mobile communications device as an authentication token includes using public key encryption of communications.

4. (Amended) A method of authenticating communications as claimed in claim 1, wherein the mobile communications device uses the cryptographic module for Wireless Transport Layer Security communications.

FILED: 10-18-2001

5. (Amended) A method of authenticating communications as claimed in claim 1, wherein the mobile communications device is used as an authentication token for a computer, and authenticates communications between the computer and an authentication server.

12. (Amended) A mobile communications device as claimed in claim 8, wherein the cryptographic module is usable to support wireless communications using Wireless Transport Layer Security.

13. (Amended) A mobile communications device as claimed in claim 8, having means for allowing biometric identification of a user.

14. (Amended) A mobile communications device as claimed in claim 8, wherein the cryptographic module uses public key cryptography.

15. (Amended) A mobile communications device as claimed in claim 8, comprising means for sending and transmitting data using WAP.

16. (Amended) A mobile communications device as claimed in claim 8, wherein the cryptographic module is realized in hardware in the device.

17. (Amended) A mobile communications device as claimed in claim 8, wherein the cryptographic module is realized in software in the device.

18. (Amended) A mobile communications device as claimed in claim 8, wherein the cryptographic module is provided on an external smart card.

19. (Amended) A mobile communications device as claimed in claim 8, wherein the cryptographic module comprises a Wireless Identity Module (WIM) card.

27. (Amended) A network as claimed in claim 22, comprising a computer, the client device having a connection to the computer such that it acts as an authentication token therefor.

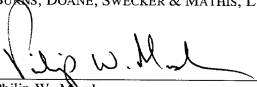
**REMARKS**

The above changes to the claims have been made to delete multiple dependency of the claims and generally to place the claims in better condition for examination on the merits.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:

  
Philip W. Marsh  
Registration No. 46,061

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: August 14, 2001

**Attachment to Amendment dated August 14, 2001**

**Marked-up Claims 3-5, 12-19 and 27**

3. (Amended) A method of authenticating communications as claimed in claim 1 [or 2], wherein the use of the mobile communications device as an authentication token includes using public key encryption of communications.

4. (Amended) A method of authenticating communications as claimed in claim 1 [, 2 or 3], wherein the mobile communications device uses the cryptographic module for Wireless Transport Layer Security communications.

5. (Amended) A method of authenticating communications as claimed in claim 1[, 2, 3 or 4], wherein the mobile communications device is used as an authentication token for a computer, and authenticates communications between the computer and an authentication server.

12. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-11], wherein the cryptographic module is usable to support wireless communications using Wireless Transport Layer Security.

13. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-12], having means for allowing biometric identification of a user.

14. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-13], wherein the cryptographic module uses public key cryptography.

15. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-14], comprising means for sending and transmitting data using WAP.

16. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-15], wherein the cryptographic module is [realised] realized in hardware in the device.

17. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-15], wherein the cryptographic module is [realised] realized in software in the device.

18. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-15], wherein the cryptographic module is provided on an external smart card.

19. (Amended) A mobile communications device as claimed in claim 8 [one of claims 8-15], wherein the cryptographic module comprises a Wireless Identity Module (WIM) card.

27. (Amended) A network as claimed in claim 22 [any of claims 22-26], comprising a computer, the client device having a connection to the computer such that it acts as an authentication token therefor.